

## CLAIMS

What is claimed is:

1. A method for verifying trusted status of a service-providing server in a peer-to-peer network, comprising:
  - 5           broadcasting a request over the network by a requesting peer for a task with respect to a remote non-local backend server;
  - receiving a response to the request from the service-providing server;
  - verifying a digital certificate of the response issued by the remote non-local backend server indicating that the responding service-providing server is trusted for the
  - 10       requested task; and
  - forwarding the task to a local alias URL of the responding peer for performance of the task by the responding server if said verifying is successful.
2. A method for verifying trusted status of a service-providing peer of claim 1,  
15       wherein the digital certificate is a 1024-bit VeriSign digital certificate.
3. A method for verifying trusted status of a service-providing peer of claim 1,  
      wherein said verifying verifies that the local alias URL is approved by the non-local backend server for the requested task.  
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4. A method for verifying trusted status of a service-providing peer of claim 1,  
      further comprising placing the responding server node in a black list of the requesting peer for the requested task if said verifying is unsuccessful.

5. A method for verifying trusted status of a service-providing peer of claim 1, further comprising awaiting for another response from another service-providing server if the verifying is unsuccessful.

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6. A method for verifying trusted status of a service-providing peer of claim 1, further comprising broadcasting a message indicating that the requesting peer has located the responding service-providing server.

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7. A method for verifying trusted status of a service-providing peer of claim 1, further comprising receiving the local alias URL from the responding peer, the local alias URL pointing to a destination on a responding server node.

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8. A method for verifying trusted status of a service-providing peer of claim 1, wherein the request specifies a post method.

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9. A method for verifying trusted status of a service-providing peer of claim 1, wherein the task is an uploading task and wherein said forwarding the task to the local alias URL includes forwarding a file to be uploaded to the remote non-local backend server.

10. A computer program product for verifying trusted status of a service-providing peer in a peer-to-peer network, comprising:

computer code that broadcasts a request over the network by a requesting peer for a task with respect to a remote non-local backend server;

5 computer code that receives a response to the request from the service-providing server;

computer code that verifies a digital certificate of the response issued by the remote non-local backend server indicating that the responding service-providing server is trusted for the requested task; and

10 computer code that forwards the task to a local alias URL of the responding peer for performance of the task by the responding server if said verifying is successful; and

a computer readable medium that stores said computer codes.

15 11. A computer program product for verifying trusted status of a service-providing peer of claim 10, wherein the digital certificate is a 1024-bit VeriSign digital certificate.

20 12. A computer program product for verifying trusted status of a service-providing peer of claim 10, wherein the computer code that verifies includes computer code the verifies the local alias URL is approved by the non-local backend server for the requested task.

13. A computer program product for verifying trusted status of a service-providing peer of claim 10, further comprising computer code that places the responding server node in a black list of the requesting peer for the requested task if said verifying is unsuccessful.

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14. A computer program product for verifying trusted status of a service-providing peer of claim 10, further comprising computer code that awaits for another response from another service-providing server if the verifying is unsuccessful.

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15. A computer program product for verifying trusted status of a service-providing peer of claim 10, further comprising computer code that broadcasts a message indicating that the requesting peer has located the responding service-providing server.

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16. A computer program product for verifying trusted status of a service-providing peer of claim 10, further comprising computer code that receives the local alias URL from the responding peer, the local alias URL pointing to a destination on a responding server node.

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17. A computer program product for verifying trusted status of a service-providing peer of claim 10, wherein the request specifies a post method.

18. A computer program product for verifying trusted status of a service-providing peer of claim 10, wherein the task is an uploading task and wherein computer code that forwards the task to the local alias URL includes computer code that forwards a file to be uploaded to the remote non-local backend server.